

August 27, 2015

RE: Brush Control (Conventional / Electrostatic Methods)
Specifically Sec. 20-6N-4ECM
Lease #613500, Cimarron County OK

Dear Vendor,

A Soil Conservation Project Request/Bid Solicitation Form is enclosed for the above-referenced project located on Commissioners of the Land Office property. All bids received will be evaluated on a “**Lowest Responsible**” bid. Bids must be returned to the office in Oklahoma City on or before **September 24th, 2015 by 2:00** p.m., to be considered for this project. Bids received after the time and date indicated or incomplete bid forms will not be considered.

If you are interested in being considered for this project, complete the enclosed Project Request/Bid Solicitation Form. You must fill in the Units, Unit Price, Totals and Project Totals fields on the form. Incomplete forms will not be considered.

If you are selected as “Lowest Responsible” bidder; current general liability insurance information along with worker’s comp or insurance document showing an exemption from workers compensation will be required.

The project will be considered complete after the supervising Real Estate Management Specialist certifies the specifications of the enclosed bid have been met.

If you are not interested in being considered for this project, please return the form with “No Bid” written on it. This will indicate that you do not wish to bid at this time but may like to bid on future projects.

If you have any questions about this project contact me at 405-521-4149. Be sure to check our website at www.clo.ok.gov for questions and answers that arise during the bidding of this project.

Sincerely,



Tonja DeFatta, CPO
Real Estate Management Division
tonja.defatta@clo.ok.gov

**COMMISSIONERS OF THE LAND OFFICE
SOIL CONSERVATION PROJECT REQUEST/BID SOLICITATION**

LESSEE: *CLARK, FRANK H*

DATE: *8/24/15*

LEASE NO: *613500*

COUNTY: *CIMARRON*

LEASE TERM: *Ends: 12/31/2016*

LEGAL: *specifically Sec. 20-6N-4ECM*

DIRECTIONS TO JOB SITE: *From square in Boise City, 14 miles north and 9 miles West*

SUPERVISING REMS *CLO\JWilson*

ITEM OR PRACTICE (REM ONLY)	CODE	UNITS	UNIT PRICE	TOTALS
<i>Brush Control</i>	<i>314</i>	<i>640</i>		
CONVENTIONAL METHOD				
ELECTROSTATIC METHOD				
JOB TOTAL				

***Please write "NO BID in the "TOTALS" column if you do not wish to bid, sign and return the bid form to the OKC office.**

Project Specifications: Please see the additional documentation.

Bid according to units provided above. If you should choose to give a flat rate instead of bidding by unit price, CLO will not be able to adjust the cost up or down if actual units should change. In accordance with Oklahoma law, the CLO cannot pay for mileage. The vendor should include travel and all associated expenses in the total acquisition price. Do not quote travel and any associated expense separately on the bid request form.

REQUESTED COMPLETION DATE: Include justification for work on a word doc and attach to request.



REMS _____ Date *8/24/2015*

VENDOR ONLY:

- The undersigned, being familiar with the local conditions affecting the cost of the work, with the Solicitation for Bids and in accordance with the provisions thereof, hereby proposes to furnish all labor, materials and equipment necessary for the sums listed herein.
- By submitting a bid for services, the bidder certifies that they, and any proposed subcontractors, are in compliance with 25 O. S. §1313 and participate in The Status Verification System. The Status Verification System is defined in 25 O. S. §1312 and includes but is not limited to the free Employment Verification Program (E-Verify) available at www.dhs.gov/E-Verify.
- The bidder also certifies that they are in compliance with the State of Oklahoma Governor's Executive Order 2012-01, filed February 6, 2012 and effective July 1, 2012, that the use of any tobacco product shall be prohibited on any and all properties owned, leased or contracted for use by the State of Oklahoma, including but not limited to all buildings, land and vehicles owned, leased or contracted for use by agencies or instrumentalities of the State of Oklahoma.
- In submitting the bid, it is agreed that this bid may not be withdrawn for a period of thirty (30) days after the date bids are due. Work is to start within ten (10) days of notification to proceed by CLO.

Company/Business name _____ Vendor signature _____ Date _____

-----FOR OFFICE USE ONLY-----

Work completed in last five years: Click here to ~~view~~ **NONE** text.

Floyd Evans *8/26/2015*
Conservationist Date

Dir., REM Division Date

AERIAL HERBICIDE APPLICATION

- I. Hours: Herbicide application will be permitted only during daylight hours.
- II. Work
- III. Days: Herbicide operations will be permitted on every day of the week and holidays.
- IV. Landing Facilities: The Contractor shall obtain required landing facilities. The contractor assumes full responsibility and liability for airstrips or landing areas used.
- V. Environmental Conditions: Aircraft will not be allowed to release herbicide or turn within 500 ft. of agricultural crops or residences having plants susceptible to damage from herbicide when using rotor wing aircraft capable of applying herbicide at speeds less than the recommended flight speed.
- VI. Special Requirements: Time is of the essence. Failure to commence actual herbicide operations within five (5) calendar days from date of receipt of notice to proceed, weather permitting as determined by the CLO representative, will be considered cause for terminating the contractor's right to proceed under the contract clauses of this contract. Application shall not be made during unfavorable weather conditions nor when winds affect application uniformity, or velocity exceeds 15 miles per hour or when ground surface conditions are unsuitable (snow or ice on ground).

Herbicide may be applied with electrostatic equipment or conventional boom depending on conditions. Contractors should bid both methods of application and the successful bidder should coordinate with the supervising RMS and or the Conservationist for the C.L.O for determining which method will be used to obtain optimal results.
- VII. Personnel:
 - a. Pilots: Shall be furnished by the Contractor and shall meet certification requirements of Federal Aviation Regulations for this type of work and be licensed to aerially apply herbicides in Oklahoma.
 - b. Ground Crew: Shall be furnished by the Contractor.
- VIII. Products:
 - a. Materials: The Contractor shall deliver Contractor-furnished herbicide in original, unopened containers.
 - b. Herbicide: All herbicides must, whether brand name or the generic equivalent, must meet the following minimum requirements. Alternative herbicides may be used after approval by the CLO supervising Real Estate Management Specialist.
 1. Herbicide for Cholla treatment:

Surmount® shall conform to the following:
Rate of Application should be 4 pints/acre
Active Ingredients:
Picloram: 4-amino-3,5,6-trichloropicolinic acid
Triisopropanolamine salt 13.24%
Fluroxypyr 1-methylheptyl ester:
[(4-amino-3,5-dichloro-6-fluoropyridin-2-yl)oxy]acetic acid 10.64%
Other ingredients 76.12%
EPA Reg. No. 62719-480
 2. Surfactant: Herbimax.
- VIII. Equipment:
 - a. Aircraft:
 1. General: The contractor shall furnish aircraft to apply herbicide to the designated areas in the time specified.

2. Type: Aircraft used shall be rotor wing, piston fixed wing or turbine fixed wing capable of applying herbicide at the recommended rate of speed.
- b. **Liquid dispensing equipment: Aircraft shall be equipped with a liquid positive metering device complete with release, shutoff, and spreading device which can be calibrated for application with an electrostatic applicator.**
- c. Special Aircraft Requirements: Contractor shall furnish properly equipped aircraft with pilot(s) experienced in applying herbicides on rough terrain at high elevations.
- d. Flagging Materials and Equipment: Shall be furnished by the contractor.

IX. Preparation:

- a. Wind conditions: Aerial application of herbicide shall not be done when the wind is not at a constant Velocity or exceeds 15 mph.
- b. Flight Paths: Irregular paths of flight will result in immediate stoppage of work. Corrective action shall be taken immediately by the contractor to insure evenly spaced, straight and Regular flight paths and complete coverage of areas included in the application job.

X. Application

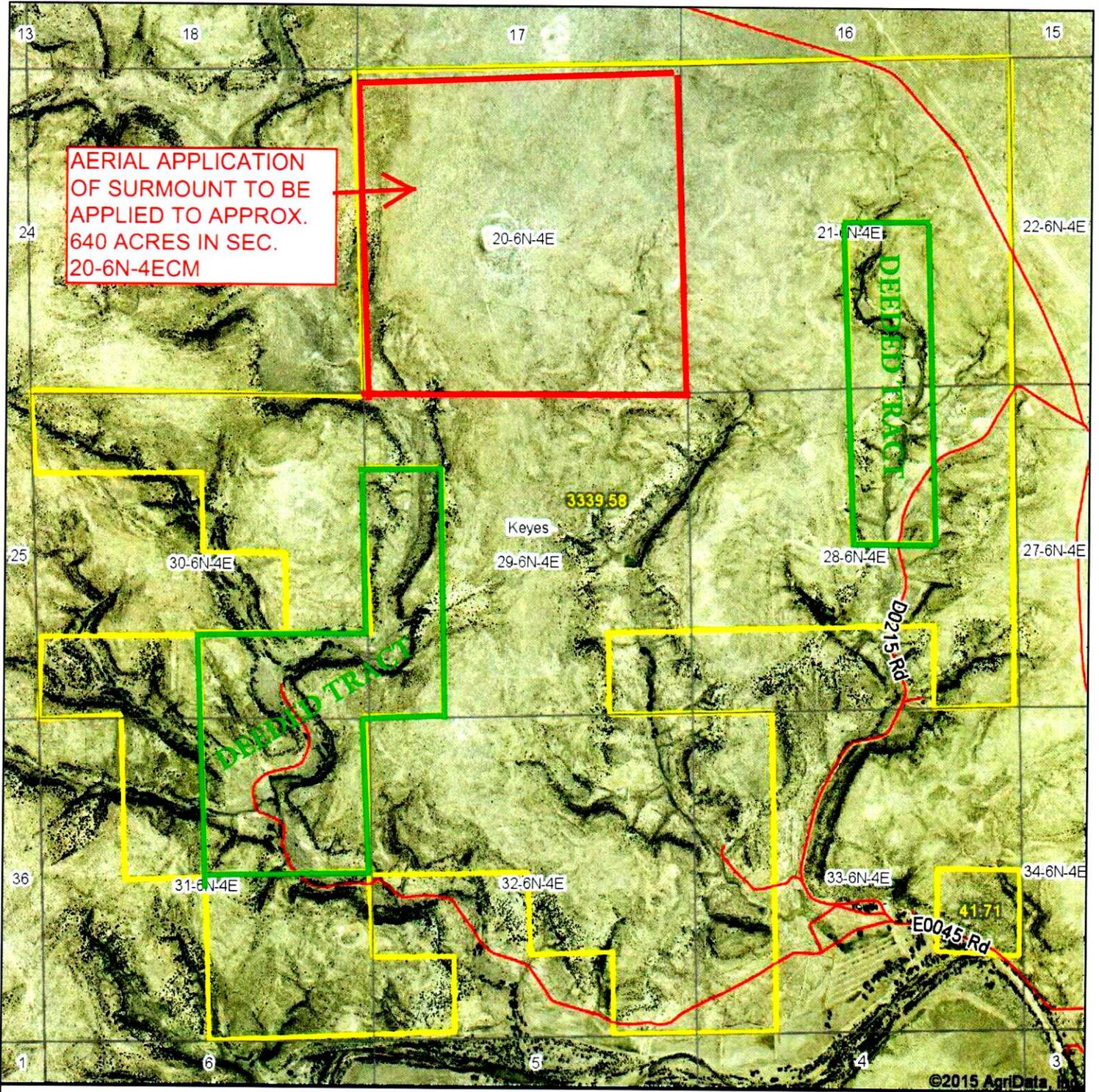
- a. General: The entire surface within the designated boundaries of the project area shall receive uniform coverage with the herbicide except areas excluded by the supervising RMS. Any excluded areas within the designated boundaries will not be included in the acreage computed for payment.
- b. Liquid application: Herbicide shall be distributed as recommended on the product label or at application rate specified by the RMS. Work Data Sheets will be provided for the specific rates of application by the RMS.
- c. Swath Width: Shall not exceed 42 foot for fixed wing piston class aircraft, 65 foot for fixed wing turbine class aircraft and 70 foot for rotor wing aircraft.
- d. Flight Height: Shall be low enough to obtain proper distribution and uniform coverage of herbicide, but no lower than 100 feet above ground level to allow for proper herbicide dispersion. Herbicide application shall not be made during a rainstorm, snow, or when the ground is frozen. Aircraft shall be operated in conformance with Federal Aviation Regulations.
- e. Flight Strips: Shall be patterned and flown to secure a uniform distribution of herbicide. Such distribution shall not vary more than 110% above or below the average distribution of herbicide per acre.
- f. Differentially Corrected Global Positioning System (DGPS) Navigation:
 - 1) General- DGPS is required for this contract. DGPS shall be used for aircraft guidance and tracking. The contractor shall provide all guidance equipment, materials, computers, printers, personnel, and services required for the system to be used. The guidance equipment shall be capable of accurately guiding the aircraft while flying at application altitude, along parallel flight lines equal to the designated swath width of the application aircraft. The system shall be sufficiently sensitive to provide immediate deviation indications and sufficiently accurate to keep the aircraft on the desired flight path.
 - 2) Accuracy- The DGPS system shall be capable of determining a differentially corrected location with an error of no more than one (1) meter on the horizontal plane. The guidance system shall be capable of updating current position at a rate of five (5) times per second. Differential correction must cover the complete operational area. During operation, differentially corrected signal must be accurately recorded at least 90% of the operational time. Differential correction may be provided by a portable differential station, FM radio fixed towers or satellite.
 - 3) Pilot qualifications- Pilot proficiency and evidence of prior experience with the proposed DGPS system must be demonstrated prior to approval for usage during the contract.

XI. Equipment Requirements:

- a. Software: Software provided with DGPS shall be designed for parallel offset in increments equal to the assigned swath width of the application aircraft.
- b. Flight Log: must be capable of:

- 1) a minimum rate of one-second logging intervals. Full record includes position, time, altitude, speed, track, application system on/off, aircraft number, pilot, job name/number, and differential correction status.
 - 2) Calculating and showing total acres treated during the flight.
 - 3) Downloading daily, or more often as needed, to an onsite (landing strip) computer for post-flight analysis and review. The flight log must show the entire flight of the aircraft from takeoff to landing and differentiate between spray-on and spray-off when viewed on a computer monitor or color printer. Export files of each flight shall be provided and shall be compatible with ARCMAP 9.2 system on a standard compact disk or through email.
 - 4) Zooming in on any portion of the treatment to view a specific area with greater detail.
- c. Hardware: shall possess the following features:
- 1) visual display monitor:
 - a. capable of displaying swath width over flight path;
 - b. mounted in aircraft in a location that will allow the pilot to view the screen with direct or peripheral vision without looking down.
 - c. may display in real time or be available for in-flight access immediately after application has ceased.
 - 2) Control Keypad: The keypad shall:
 - a. be able to input reference waypoints (A-B line)
 - b. have a feature which alerts pilot when they are about to enter or exit a specific treatment block on an exclusion area within a block.
 - c. have a method to display nested polygons to indicate sensitive or no-spray areas within or adjacent to treatment blocks.
 - d. have a feature that allows the pilot to return to the exact location of application shutdown and complete application without omitted or doubled treated areas.
 - 3) Course Deviation Indicator (CDI): The CDI shall have the capability to display both cross-track error and intercept angle to desired heading. The CDI must be installed on the aircraft in a location that will allow the pilot to view the indicator with direct or peripheral vision without looking down. Cross-track error shall be adjustable down to one (1) foot.
 - 4) Memory: shall be capable of storing up to 8 hours or continuous flight log data.
 - 5) Operator Certificate: Contractor shall hold an agricultural aircraft operator certificate issued by the Federal Aviation Administration, and will operate aircraft used in the project as agricultural aircraft
 - 6) Field Quality Control:
 - a. Tests for uniformity: the RMS will make tests to determine uniformity of herbicide application.
 - b. Tests for Rate of Application: rate of herbicide application will be determined by test flights and calibration made prior to commencement of application.
 - 7) Method of Measurement:
 - a. Units application of herbicide will be measured and paid for by the number of acres treated to the nearest whole acre.
 - b. Measurement: The determination of the acreage of completed work will be made from GPS/GIS calculations from the export files of the contractor, the actual amounts of herbicide loaded into the aircraft applied at the correct rate per acre, along with field observations to insure proper herbicide placement. Area measurements required under this contract will be measured on a horizontal plane.

Aerial Map



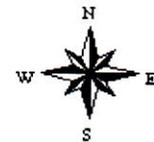
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613500

map center: 36° 57' 30.97, 102° 38' 56.52

scale: 28854

29-6N-4E
Cimarron County
Oklahoma



8/24/2015

Maps Provided By:



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